



PROFESSIONAL PRODUCTS

ACCEPTED

A-33[®] DRY

EPA Letter 4/27/84
JUN 20 1984
EPA Reg. No. 42964-19
EPA Est. No. 9405-NJ-1

1/2 OZ. PREMEASURED

Disinfectant Detergent and Odor Counter-actant for Hospital and Institutional Use

ACTIVE INGREDIENTS

n-Alkyl (60% C₁₂, 30% C₁₄, 5% C₁₆, 5% C₁₈)
dimethylbenzyl ammonium chlorides
n-Alkyl (65% C₁₂, 32% C₁₄)
dimethylethylbenzyl ammonium chlorides

INERT INGREDIENTS

(Includes Essential Oil Odor Control Agents)

Keep Out of Reach of Children
DANGER

See Statement of Practical Treatment and Other Precautions on Side Panel

EPA Reg. No. 42964-19
EPA Est. No. 9405-NJ-1

Net Contents: 90 water soluble packets each weighing 1/2 oz Net Weight: 2.81 lbs avdp.

118077

A-33 Dry is a complete one-step disinfectant-cleaner-odor counteractant, which is effective in the presence of protein (5% used as directed).

A-33 Dry is a concentrated, premeasured detergent-disinfectant. Its biodegradable, nonionic detergents and alkaline builder penetrating, suspending and emulsifying action needed for soils. The low-foaming action leaves surfaces spot-free.

Odor control agents in A-33 Dry actually counteract odors to fresh and clean. Airwick's famous air freshened effect. A-33 Dry is intended primarily as a heavy duty cleaner where and odor counteraction are required. It is unexcelled for clean surfaces such as porcelain, glass, tile, stainless steel, or asphalt or rubber.

Directions For Use

It is a violation of Federal law to use this product in a manner labeling. Prepare a fresh work solution daily or more frequently mix with other chemicals. One container (90 packets) make

Disinfection:

For hospital disinfecting and cleaning of nonporous hard surfaces: tables, floors, bed frames, bathroom fixtures and other similar. packet per gallon of warm water. Stir gently for a uniform solution with mop, cloth, scrubber or other suitable applicator, scrub thoroughly. Allow to remain wet for 10 minutes. Remove soil with a clean wet mop, cloth or wet vacuum pickup. For precleaning step is required.

A-33 Dry provides approximately 450 ppm of one of the most powerful germicides available.

Effective as:

Virucide: On environmental surfaces, A-33 Dry kills virus (Aichi), Parainfluenza 1 (Sendai), Herpes simplex, Vaccinia and Feline Pneumonitis in the presence of protein (5% b

BEST DOCUMENT

ACCEPTED
 EPA Letter Dated
 JUN 20 1984
 for the F. A. C. Pesticide
 and R. A. C. Act
 amended for the pesticide
 under EPA Reg. No.
 42704-17

ch of Children
 ER
 Practical Treatment
 ions on Side Panel

281 lbs avdp

A-33 Dry is a complete one-step disinfectant-cleaner-virucide-fungicide-odor counteractant, which is effective in the presence of protein (5% blood serum) when used as directed.

A-33 Dry is a concentrated, premeasured detergent-disinfectant-odor counteractant. Its biodegradable, nonionic detergents and alkaline builders provide the wetting, penetrating, suspending and emulsifying action needed for even the most difficult soils. The low-foaming action leaves surfaces spot-free.

Odor control agents in A-33 Dry actually counteract odors to leave the area smelling fresh and clean. Airwick's famous air freshened effect.

A-33 Dry is intended primarily as a heavy duty cleaner where positive disinfection and odor counteraction are required. It is unexcelled for cleaning nonporous hard surfaces such as porcelain, glass, tile, stainless steel, chrome, vinyl, linoleum, asphalt or rubber.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Prepare a fresh work solution daily or more frequently as required. Do not mix with other chemicals. One container (90 packets) makes 90 gallons of solution.

Disinfection:

For hospital disinfecting and cleaning of nonporous hard surfaces such as walls, tables, floors, bed frames, bathroom fixtures and other similar surfaces, dilute one packet per gallon of warm water. Stir gently for a uniform solution. Apply solution with mop, cloth, scrubber or other suitable applicator, so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes. Remove solution and entrapped soil with a clean wet mop, cloth or wet vacuum pickup. For heavily soiled areas a precleaning step is required.

A-33 Dry provides approximately 450 ppm of one of the more potent combinations of germicides available.

Effective as:

Virucide: On environmental surfaces, A-33 Dry kills viruses such as, Influenza A, (Aichi), Parainfluenza 1 (Sendai), Herpes simplex, Vaccinia, Canine Distemper and Feline Pneumonitis, in the presence of protein (5% blood serum). **Fungicide:**

Passes A.O.A.C. fungicidal test vs. Trichophyton mentagrophytes in the presence of protein (5% blood serum).

It is an effective fungicide when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Other Organisms: A-33 Dry has been found to be an effective disinfectant against a broad spectrum of bacteria, both gram positive and gram negative organisms in the presence of protein (5% blood serum).

A.O.A.C. Use Dilution Confirmation Test:

- | | |
|------------------------------------|--------------------------------------|
| Salmonella choleraesuis ATCC#10708 | Escherichia coli ATCC#11229 |
| Staphylococcus aureus ATCC#6538 | Proteus vulgaris ATCC#3301 |
| Pseudomonas aeruginosa ATCC#15442 | Serratia marcescens ATCC#9301 |
| Pseudomonas cepacia ATCC#25608 | Shigella flexneri Type II ATCC#25675 |
| | Klebsiella sp. ATCC#3308 |

PRECAUTIONARY STATEMENTS: HAZARD TO HUMANS AND DOMESTIC ANIMALS.

DANGER: Corrosive. Causes eye damage and severe skin irritation. Do not get loose powder in eyes, on skin or on clothing. Harmful if swallowed. Avoid contamination of food. Do not open packets, place directly into bucket. Avoid breathing sprayed mist.

STATEMENT OF PRACTICAL TREATMENT: In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before reuse. If swallowed, drink promptly a large quantity of water, egg whites, or gelatin solution. Call a physician immediately. **NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

STORAGE AND DISPOSAL

STORAGE: Store in cool dry place. Do not handle packets with wet hands. Do not remove packets before use.

DISPOSAL: Do not reuse container. Wrap container and place in trash collection.

For Sale to, Use and Storage by Maintenance, Housekeeping and Service Personnel Only.

AIRWICK PROFESSIONAL PRODUCTS 40 S. Ave. Dr. e
 Secaucus NJ 07094
 AIRWICK PROFESSIONAL PRODUCTS
 CBA-GEIGY

955028-403

BEST DOCUMENT AVAILABLE



A-33[®] DRY

1 1/2 OZ. PREMEASURED
Disinfectant Detergent and Odor Counter-actant for Hospital and Institutional Use

ACTIVE INGREDIENTS
• Alkyl (60% C₁₂, 30% C₁₄, 5% C₁₆, 5% C₁₈) 5.8%
• Dimethyl benzyl ammonium chloride 5.8%
• Alkyl (60% C₁₂, 37% C₁₄) 5.8%
• Dimethyl dimethyl ammonium chloride 5.8%
INERT INGREDIENTS 68.4%
(includes Essential Oil Odor Control Agents)

Keep Out of Reach of Children
DANGER
See Statement of Practical Treatment and Other Precautions on Side Panel

EPA Reg. No. 42964-19
EPA Est. No. 9405-NJ-1

Net Contents: 48 water soluble packets each weighing 1 1/2 oz. Net Weight: 3 3/4 lbs avdp

118071

A-33 Dry is a complete one-step disinfectant-cleaner-virucide-fungicide-odor counteractant, which is effective in the presence of protein (5% blood serum) when used as directed.

A-33 Dry is a concentrated, premeasured detergent-disinfectant-odor counteractant. Its nonionic detergents and alkaline builders provide the wetting, penetrating, suspending and emulsifying action needed for even the most difficult soils. The low-foaming action leaves surfaces spot-free.

Odor control agents in A-33 Dry actually counteract odors to leave the area smelling fresh and clean... Airwick's famous air freshened effect.

A-33 Dry is intended primarily as a heavy duty cleaner where positive disinfection and odor counteraction are required. It is unsuited for cleaning nonporous hard surfaces such as porcelain, glass, tile, stainless steel, chrome, vinyl, linoleum, asphalt or rubber.

Directions For Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Prepare a fresh work solution daily or more frequently as required. Do not mix with other chemicals. One container (40 packets) makes 120 gallons of solution.

Disinfection:

For hospital disinfecting and cleaning of nonporous hard surfaces such as walls, tables, floors, bed frames, bathroom fixtures and other similar surfaces, dilute one packet per gallon of warm water. Stir gently for a uniform solution. Apply solution with mop, cloth, scrubber or other suitable applicator, so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes. Remove solution and entrapped soil with a clean wet mop, cloth or wet vacuum pickup. For heavily soiled areas a pre-cleaning step is required.

A-33 Dry provides approximately 450 ppm of one of the more potent combinations of germicides available.

Effective as:

Virucide: On environmental surfaces, A-33 Dry kills viruses such as: Influenza A, (A/H1), Parainfluenza 1 (Sendai), Herpes simplex, Vaccinia, Canine Distemper and Feline Pneumonia, in the presence of protein (5% blood serum) **Fungicide:**

Passes A.O.A.C. fungicidal test vs. *Trichophyton menth.* of protein (5% blood serum).

It is an effective fungicide when used on surfaces in a dressing rooms, shower and bath areas, exercise facilities. **Other Organisms:** A-33 Dry has been found to be an effective broad spectrum of bacteria, both gram positive and gram negative, in the presence of protein (5% blood serum).

A.O.A.C. Use Dilution Confirmation Test:

Salmonella choleraesuis ATCC#10708
Staphylococcus aureus ATCC#6538
Pseudomonas aeruginosa ATCC#15442
Pseudomonas cepacia ATCC#25608
Escherichia coli
Proteus vulgaris
Serratia marcescens
Shigella flexneri
Klebsiella sp.

PRECAUTIONARY STATEMENTS: HAZARD TO DOMESTIC ANIMALS.

DANGER: Corrosive. Causes eye damage and severe skin damage. Avoid contact with eyes, on skin or on clothing. Harmful if swallowed. Do not open packets, place directly into bucket. Avoid breathing dust.

STATEMENT OF PRACTICAL TREATMENT:

Rinse eyes or skin with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before reuse. If swallowed, drink plenty of water, egg whites, or gelatin solution. Call a physician. Probable mucosal damage may contraindicate measures against circulatory shock, respiratory depression, etc.

STORAGE AND DISPOSAL

STORAGE: Store in cool dry place. Do not handle packets until ready for use.

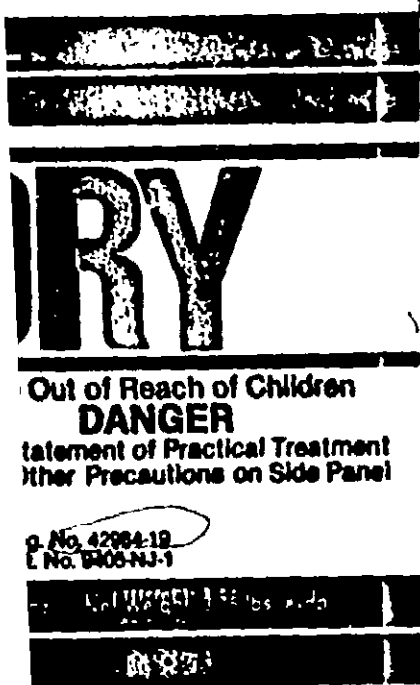
DISPOSAL: Do not reuse container. Wrap container and packets before use.

For Sale to, Use and Storage by Major Housekeeping and Service Personnel

AIRWICK PROFESSIONAL 40 Seaweed Drive, Secaucus, NJ 07094
AIRWICK INDUSTRIES INC.
A CBA-GEIGY COMPANY

BEST DOCUMENT AVAILABLE

ACCEPTED
JUN 19 1964
42964-19



A-33 Dry is a complete one-step disinfectant-cleanser-virucide-fungicide-odor counteractant, which is effective in the presence of protein (5% blood serum) when used as directed.

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It is an effective fungicide when used on surfaces in areas such as locker rooms, dressing rooms, shower and bath areas, exercise facilities, etc.

Other Organisms: A-33 Dry has been found to be an effective disinfectant against a broad spectrum of bacteria, both gram positive and gram negative organisms in the presence of protein (5% blood serum).

A.O.A.C. Use Dilution Confirmation Test:

<i>Salmonella choleraesuis</i> ATCC#10708	<i>Escherichia coli</i> ATCC#11229
<i>Staphylococcus aureus</i> ATCC#6538	<i>Proteus vulgaris</i> ATCC#3301
<i>Pseudomonas aeruginosa</i> ATCC#15442	<i>Serratia marcescens</i> ATCC#9301
<i>Pseudomonas cepacia</i> ATCC#25608	<i>Shigella flexneri</i> Type II ATCC#25875
	<i>Klebsiella</i> sp. ATCC#8308

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For Sale to, Use and Storage by Maintenance, Housekeeping and Service Personnel Only.

AIRWICK PROFESSIONAL PRODUCTS 40 Service Drive
Secaucus, NJ 07094
AIRWICK INDUSTRIES INC.
a CBA GIGY member

055029-403

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42964-19



PREMEASURED A-33 DRY

Detergent - Disinfectant - Odor Counteractants

Broad Spectrum Antimicrobials:

Pseudomonacidal
Staphylocidal
Fungicidal
Fungistatic
Virucidal

For use in:

Nursing Homes
Hospitals
Educational Institutions
Hotels/Motels
Offices
Restaurants
Veterinary Hospitals/
Kennels and any other
area where control of
harmful microorganisms
is desired

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 20 1984

This product is a pesticide.
Federal Insecticide, Fungicide, and Rodenticide Act
to which this pesticide is registered under EPA Reg. No.
47964-11

2

INTRODUCTION

Premeasured A-33 Dry is a complete one-step detergent-disinfectant-fungicide-mildewstat-virucide-odor counteractant which is effective in the presence of 5% organic matter.

Premeasured A-33 Dry is an exclusive from Airwick Professional Products. This proprietary formulation is available to you for one-step cleaning, broad spectrum disinfection, and complete odor counteraction.

Premeasured A-33 Dry is a premeasured, concentrated powder packaged in convenient, water soluble dry packets. This powerful, multipurpose product is specifically formulated to be used in hospitals, nursing homes, schools, clinics, research laboratories, manufacturing plants, hotels, motels, restaurants, offices, veterinary hospitals and many other facilities.

Premeasured A-33 Dry's formula is a blend of biodegradable nonionic detergents, alkaline builders, quaternary ammonium compounds, and odor control ingredients. It is recommended for disinfecting and cleaning of non-porous hard surfaces such as glazed porcelain, glass, tile, stainless steel, chrome, vinyl and linoleum. At 1/2 ounce per gallon of water (1:256) it has demonstrated germicidal efficacy in the presence of 5% organic matter.

TECHNICAL AND PRODUCT BROCHURE
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ACCEPTED
with COMMENTS
to EPA Letter Dated:

JUN 20 1984

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
and related laws, this pesticide
has been assigned EPA Reg. No.
49964-11

INGREDIENTS

Active:

n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈)
dimethyl benzyl ammonium chlorides.....5.8%

n-Alkyl (68% C₁₂, 32% C₁₄)
dimethyl ethylbenzyl ammonium chlorides.....5.8%

Inert.....88.4%
(includes nonionic detergents, alkaline builders
and essential oil odor control agents)

GENERAL PROPERTIES

Stability: Premeasured A-33 Dry is stable at all ambient temperatures.

Compatibility: Premeasured A-33 Dry should not be mixed with soap, phenolics, other germicides, detergents, or with any other chemicals.

Solubility: Premeasured A-33 Dry is completely soluble in water.

pH: Premeasured A-33 Dry has a typical pH of 9.8 - 10.5 at a 1:256 dilution.

Water Hardness: Premeasured A-33 Dry is stable in all hard waters.

Odor: Premeasured A-33 Dry contains odor counteractants plus Airwick's Air Freshened Effect.

EPA Registration Number:

PREMEASURED A-33 DRY DETERGENT-DISINFECTANT-ODOR COUNTERACTANT

Broad Spectrum Antimicrobial:
Pseudomonacidal
Staphylocidal
Fungicidal/Fungistatic
Virucidal
Mold and Mildewstatic

For use in:
Nursing Homes
Hospitals
Educational Institutions
Hotels/Motels
Offices
Restaurants
Veterinary Hospitals/
Kennels
Any other area where
infection control is
desired

ACCEPTED
with COMMENTS
in EPA Labeling

JUN 20 1984

For use in accordance with the Act
and regulations thereunder, the pesticide
registered under EPA Reg. No.
42964-19

A GENERAL OVERVIEW OF DETERGENCY, DISINFECTION AND
ODOR CONTROL WITH PREMEASURED A-33 DRY

A major goal of housekeeping is to maintain the highest level of Environmental Sanitation. To accomplish this effectively, the product used must have the ability to provide for the physical removal of soil, destruction of microorganisms, and elimination of objectionable odors. Premeasured A-33 Dry provides for all of these requirements.

DETERGENCY

The physical removal of dirt, soil, grease, and organic matter is what determines the overall effectiveness of detergency. The combined properties of penetration, wetting, dispersion/suspension and emulsification are the measure of an effective detergent. Premeasured A-33 Dry has been formulated with nonionic detergents exhibiting fast acting, low foaming properties which leave no film or residue buildup.

It is an excellent product for cleaning dirt and soils from walls and floors and may be used on all nonporous environmental hard surfaces. This feature is critical when concurrent cleaning and disinfection is desired. No potable rinse is required (except on food contact surfaces), eliminating additional labor costs and the removal of valuable disinfectants.

ODOR CONTROL

Premeasured A-33 Dry is formulated with Airwick's unique true odor counteractants. This enables Premeasured A-33 Dry to actually counteract and neutralize objectionable odors. The Air Freshened Effect imparts an essence of fresh, clean air and leaves the environment smelling light, pleasant, and natural. This is accomplished without the use of heavy perfumes or harsh chemicals which tend to mask odors.

Summarized below are the two properties which are essential to proper odor control and help make Premeasured A-33 Dry unique:

Odor Counteraction:

It is an established fact that certain odors, when paired with other odors, achieve a neutralization of all odor. This effect is called odor counteraction. In Premeasured A-33 Dry, the odor counteractants will neutralize the objectionable odors typical of occupied areas. True odor counteraction achieves virtual absence of all odor and leaves a rather stale or lifeless effect. For this reason, a second property of odor control is needed ... the Air Freshened Effect.

ACCEPTED
with COMMENTS
in EPA File # 4964-11

JUN 20 1964

1964
FEDERAL BUREAU OF INVESTIGATION
U. S. DEPARTMENT OF JUSTICE
WASHINGTON, D. C. 20535
EPA Reg. No.
4964-11

Air Freshened Effect:

This property helps replace the natural and fresh effects which are present in clean air after the counteractants have neutralized all odor. The smell of fresh air as found with the use of Premeasured A-33 Dry is not to be confused with chemical masking or perfuming. Perfumes must be strong in order to cover up other odors. Perfumes also smell artificial and alert people to the fact that something needs covering up. The Air Freshened Effect is light, pleasant and natural.

Premeasured A-33 Dry imparts effective odor control through Odor Counteraction and the Air Freshened Effect.

CONDUCTIVITY

Floor conductivity in certain critical areas must be maintained at safe levels to allow electrical discharge to be dissipated. Flammable materials such as anesthetics, which are used in operating rooms, are a major explosion concern. The improper use of a detergent-disinfectant or the use of products not tested on conductive flooring can cause a buildup of residue that would severely impair conductivity.

Premeasured A-33 Dry has been tested according to criteria published by Underwriter's Laboratories and is safe for use on conductive flooring.

ACCEPTED
with COMMENTS
in EPA Lab Report

JUN 20 1984

Underwriter's Laboratories,
Furnace Testing & Act
at request for the pesticide
registered under EPA Reg. No.

42964-19

BACTERIOLOGY

Premeasured A-33 Dry contains a blend of quaternary ammonium compounds that provide effective broad spectrum antimicrobial activity. Bacterial contamination on environmental surfaces can be a constant danger in all institutions. The broad spectrum antimicrobial activity of Premeasured A-33 Dry versus bacteria, fungi and viruses, associated with nosocomial infections in health care facilities, thus will provide an effective decontamination of inanimate surfaces. The major goal of house-keeping is to provide a continual guard against possible cross contamination agents in the environment through utilization of the most effective techniques and products available to them.

Premeasured A-33 Dry is an excellent product for this purpose and Airwick Professional Products has the training programs to ensure up-to-date cleaning techniques and procedures.

ACCEPTED
with COMMENTS
in EPA Letter Board

JUN 20 1984

The following information is to be
kept on file in the EPA office at
the time of the review of the
regulation under EPA R. 5. No.
42964-19

MICROBIOLOGICAL DATA

Premeasured A-33 Dry has proven to be a detergent-disinfectant-odor counteractant exhibiting broad spectrum bactericidal, fungicidal and virucidal qualities. Testing to support these claims is required by the Environmental Protection Agency (E.P.A.) enforcing the Federal Insecticide, Fungicide and Rodenticide Act (F.I.F.R.A.). The test data to support these claims is presented below.

Bactericidal

A.O.A.C. Use-Dilution Method:

Premeasured A-33 Dry was tested using this method to document bactericidal claims. The standard test conditions designate the use of stainless-steel cylinders, 5% organic matter on the cylinder and distilled water for dilution of the product. The product is diluted at the manufacturer's recommended use-dilution. This solution is kept in contact with the carrier cylinders coated with bacterial cells and organic matter for ten minutes. The E.P.A. requires that all samples tested demonstrate antimicrobial activity in a minimum of 59 out of 60 tubes.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

JUN 20 1984

Under the Federal Insecticide, Fungicide and Rodenticide Act
100% credit under EPA Reg. No.
42964-19

Sample	Dilution	Organism	Phenol Resistance*	Results Growth No. Tubes
Premeasured A-33 Dry	A	Pseudomonas aeruginosa ATCC #15442	1:80	0 60
	B		1:80	0 60
	A	Staphylococcus aureus ATCC #6538	1:60	0 60
	B		1:60	0 60
	A	Salmonella choleraesuis ATCC #10708	1:90	0 60
	B		1:90	0 60

*Phenol Resistance testing measures proper strength of the organism at the time of testing

Conclusion:

Premeasured A-33 Dry exhibits total destruction versus all three organisms under test conditions.

Premeasured A-33 Dry has been evaluated beyond the (3) three standard test organisms to include several other critical bacterial pathogens. The Federal standards require that two batches of the product be tested (10 tubes each) versus the supplemental organisms.

The identical test conditions of 5% organic matter were used for this testing employing the A.O.A.C. Use-Dilution Method.

ACCEPTED
with COMMENTS
in EPA Lab Report

JUN 20 1984

Test Data:

Sample	Dilution	Organism	Results Growth No. Tubes
A	1:256	Serratia marcescens ATCC# 9103	0 10
B	1:256	" "	0 10
A	1:256	Escherichia coli ATCC# 11299	0 10
B	1:256	" "	0 10
A	1:256	Pseudomonas cepacia ATCC# 25609	0 10
B	1:256	" "	0 10
A	1:256	Shigella flexneri ATCC# 25929	0 10
B	1:256	" "	0 10
A	1:256	Proteus vulgaris ATCC# 3301	0 10
B	1:256	" "	0 10
A	1:256	Klebsiella pneumoniae ATCC# 13883	0 10
B	1:256	" "	0 10

Conclusion: Premeasured A-33 Dry, under test conditions is bactericidal versus all of the organisms tested.

Fungicidal

A modified A.O.A.C. Use-Dilution Method was employed for fungicidal testing of Premeasured A-33 Dry. The fungicidal testing was performed in the presence of a 5% organic matter load.

Fungicidal Test Results

Conditions: 20°C Water Bath
Organism: Trichophyton mentagrophytes
ATCC# 9533
Dilution: 1:256
Diluent: Triple Distilled Water
Incubation Temperature: 26°C
Period of Incubation: 10 Days
Subculture Medium: Sabouraud Dextrose Broth
Inoculum: 5% Horse Serum

Sample:	Tube Number									
	1	2	3	4	5	6	7	8	9	10
Batch 1										
5 min.	-	-	-	-	-	-	-	-	-	-
10 min.	-	-	-	-	-	-	-	-	-	-
15 min.	-	-	-	-	-	-	-	-	-	-
Batch 2										
5 min.	-	-	-	-	-	-	-	-	-	-
10 min.	-	-	-	-	-	-	-	-	-	-
15 min.	-	-	-	-	-	-	-	-	-	-

ACCEPTED
WITH COMMENTS
in EPA 12-1-1984
JUN 20 1984
EPA Reg. No. 40964-19

Virucidal

Premeasured A-33 Dry was evaluated against an assortment of viruses to determine its ability to inactivate these particles. The virucidal testing was performed in the presence of 5% organic matter at a 1:256 dilution.

Virucidal Assay

A virus pool of the virus being evaluated is spread onto a glass surface and allowed to dry to a film at 35°C for 30-45 minutes. The disinfectant at use-dilution is then spread over the film and allowed to remain in contact for ten minutes at 20-25°C. After ten minutes,, the virus-germicide mixture is removed and diluted in trypticase soy broth. Decimal dilutions are then inoculated into the proper hosts. A virus control is run in parallel and treated with sterile distilled water.

Viruses Evaluated

Herpes simplex
Influenza A₂
Parainfluenza
Vaccinia

ACCEPTED
with COMMENTS
In EPA File # 42964-19

JUN 20 1964

U.S. Environmental Protection Agency
Federal Insecticide, Fungicide, and Rodenticide Act
Registration Division
Washington, D.C. 20460
Permitted under EPA Reg. No.

42964-19

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HOW TO USE

PREMEASURED A-33 DRY

Premeasured A-33 Dry has been formulated to provide effective and economical detergency, disinfection, and odor counteraction of environmental surfaces.

Directions for Use - In accordance with the label directions.

DIRECTIONS FOR USE

General Classification

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Prepare a fresh solution prior to each use.

For hospital disinfection and cleaning of all nonporous hard surfaces such as conductive floors, walls, bed frames, bathroom fixtures, physical therapy equipment, dilute one packet per gallon of warm water. Stir gently for a uniform solution. Apply solution with mop, cloth, scrubber, sprayer, or other suitable applicator, so as to wet all surfaces thoroughly. Allow to remain for at least 10 minutes. Remove solution and entrapped soil with a clean wet mop, cloth or wet vacuum pickup. For heavily soiled areas, a precleaning step is required.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

JUN 20 1984

Product registered under the
Federal Insecticide, Fungicide, and
Rodenticide Act
registered under EPA Reg. No.
42964-19

SPECIFICATIONS

Airwick Professional Products
Premeasured A-33 Dry
E.P.A. Reg. No.

It is often beneficial for the purchaser and user of these products to have the specifications by which product performance can be certified. The specifications of Premeasured A-33 Dry are described below and should be used as a reference when necessary.

A dry powdered premeasured-detergent-disinfectant-odor counter-actnt in water soluble packets.

Specifications:

1. Disinfectant properties are obtained by the use of a blend of quaternary ammonium chlorides at use-dilution (1:256).

A. Bacteriocidal Properties

As a disinfectant (1:256) according to A.O.A.C. Use-Dilution Confirmation (13th Ed., 1980) Test shall be effective against:

Pseudomonas aeruginosa	ATCC #15442
Staphylococcus aureus	ATCC #6538
Salmonella choleraesuis	ATCC #10708
Escherichia coli	ATCC #11229
Pseudomonas cepacia	ATCC #25609
Serratia marcescens	ATCC #9301
Proteus vulgaris	ATCC #3301
Shigella flexneri	ATCC #25929
Klebsiella pneumoniae	ATCC #13883

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with COMMENTS
in EPA Letter Dated:

JUN 20 1984

Herpex simplex
Influenza A₂
Parainfluenza
Vaccinia
registered under EPA Reg. No.
43964-19

This testing is performed in the presence of 5% organic matter.

B. Fungicidal Properties

Fungicidal properties at 1:256, the product shall be effective against Trichophyton interdigitale when tested according to A.O.A.C. Use-Dilution Testing (13th Ed., 1980).

C. Virucidal

Virucidal properties at 1:256, the product shall be effective against:

Herpes simplex
Influenza A₂
Parainfluenza
Vaccinia

- / 3
2. Product shall contain only nonionic synthetic detergents and shall contain no soap or anionic detergent.
 3. Product shall contain synergizing builders which will enhance detergent action as well as sequester iron salts and water hardness.
 4. Product shall contain a balanced combination of essential oil odor counteractants designed specifically to control malodors in enclosed spaces. Product shall provide residual "air freshened effect" similar to that associated with fresh country air. Product shall have no descriptive fragrance. Specific floral, pine, spice, or fruit aromas shall not be acceptable.
 5. Product shall be packed in 1/2 oz. packet size suitable for dilution in one gallon of water. This dilution shall be the recommended dilution and all germicidal use-dilution tests shall be based on recommended dilution.
 6. Packet shall be made of polyvinyl alcohol film and shall be 100% water soluble in water of 30°C within 5 minutes. Product shall be suitable for use in spray cleaning procedures without clogging spray nozzles.
 7. Product shall show no deleterious effect at the recommended use-dilution (1:256) if applied to rubber, vinyl asbestos, plastic, and other synthetic materials which would be unaffected by contact with water.
 8. Product shall contain none of the following materials: Formaldehyde or any of its polymeric forms, abrasives, bleaching agents, phenol or phenolics, iodine or iodophors, active halogens, mercury or heavy metals.
 9. Product shall be registered as a hospital grade disinfectant with the Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended in 1972, and shall carry the E.P.A. registration and establishment number on the product label.
 10. Product shall have a pH value around 10 at the recommended use-dilution of 1/2 oz./gallon (1:256). pH test to be conducted at 20°C.
 11. Product shall exhibit no flash point below 200°F when open or closed cup flash test apparatus are employed.
 12. Product shall be stable within the temperature range of 40°F to 110°F when stored in its original container and shall maintain its full effectiveness for a minimum period of one year.

ACCEPTED
with COMMENTS
in EPA Lab. Book

JUN 20 1974

By: _____
For: _____
a
reg: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

20 JUN 1984

Airwick Professional Products
 Airwick Industries, Inc.
 40 Seaview Drive
 Secaucus, NJ 07094

Attention: Debra L. Biczak
 Director Regulatory Affairs and Product Safety

Gentlemen:

Subject: A-33 Dry
 EPA Registration No. 42964-19
 Your Amendment Dated May 14, 1984

BEST DOCUMENT AVAILABLE

The amendment referred to above, submitted in connection with registration under FIFRA sec 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.
3. Clarify your two different Formula Batches. Explain what is meant by "Phase A-1," Phase A-75," and Phase A-44."
4. Submit composition of "A-33 Dry Premix."
5. Note that the four month storage and stability data for this product is acceptable. One year data must be submitted when completed.
6. Refer to the "Technical Support Section Efficacy Review-II" enclosure for additional data and labeling requirements.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(u). Your release for shipment of the product labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

CONCURRENCES						
SYMBOL				John H. Lee		
SURNAME				Product Manager (31)		
DATE				Disinfectants Branch		
				Registration Division (TS-767C)		